

ABSTRACT OF THE DISCLOSURE

A vent insert with an integral carbon-to-carbon composite filter element is used to vent enclosures such as drums and convenience cans containing transuranic materials which generate hydrogen. The vent inserts do not utilize adhesive to retain filter elements therein but rather utilize a housing having a filter element support with a knife edge to form a seal and a press fitted lid. Both the housing and lid are formed of corrosion resistant HASTELLOY® C-22® alloy. The vent inserts resist HCl corrosion as well as corrosion induced by nitric acid and chlorinated solvents.

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